

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-114/114-49-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
114-49-8  
**Code:**  
M

**RTECS:**  
YM4550000  
**Code:**  
M

**Name:**  
SCOPOLAMINE HYDROBROMIDE(0.0065MG)

**Other REC Limits:**  
NOT ESTABLISHED

**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
NORMALLY NOT REQUIRED

**Ventilation:**  
NORMAL ROOM VENTILATION.

**Protective Gloves:**  
AS REQUIRED

**Eye Protection:**  
SAFETY GOGGLES

**Other Protective Equipment:**  
Equipment EYE WASH STATION,WORK CLOTHING AND APRON AS REQUIRED.

**Work Hygienic Practices:**  
OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING .

**Supplemental Safety and Health:**  
AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES.

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

**Route Of Entry Inds - Inhalation:**  
N/P

**Skin:**  
N/P

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
MAY CAUSE DROWSINESS,DIZZINESS,WEAKNESS,SEDATION,DRY MOUTH,THIRST,FLUSHED FACE,FEVER,HOT,DRY AND RED SKIN,BLURRED VISION,DELIRIUM,TREMORS,CONVULSIONS,COMA,RESPIRATORY FAILURE,CARDIOVASCULAR COLLAPSE.

**Explanation Of Carcinogenicity:**  
DATA PER MSDS

**Signs And Symptions Of Overexposure:**  
SEE HEALTH HAZARDS DATA

**Medical Cond Aggravated By Exposure:**  
HYPERSENSITIVITY TO ANY OF THE COMPONENTS,GLAUCOMA,URINARY RETENTION

**First Aid:**  
4 REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. FLUSH WI TH WATER.CONSULT THE PHYSICIAN FOR SYMPTOMATIC AND SUPPORTIVE TREATMENT AS REQUIRED.

**Spill Release Procedures:**  
COLLECT USING ABSORBENT MEDIA. ELIMINATE ANY SOURCE OF IGNITION. VENTILATE AREA. WASH RESIDUE WITH WATER.

**Neutralizing Agent:**  
NOT APPLICABLE.

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

**Handling And Storage Precautions:**  
STORE AT ROOM TEMPERATURE BETWEEN 59 AND 86 F.AVOID CONTACT WITH EYES AND SKIN.

**Other Precautions:**  
WASH THOROUGHLY AFTER HANDLING.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
CC

**Flash Point:**

**Flash Point Text:**  
88.0F,31.1C

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
WATER

**Fire Fighting Procedures:**  
NONE EXPECTED 5

**Unusual Fire/Explosion Hazard:**  
NONE EXPECTED

## Physical/Chemical Properties

**HCC:**  
F3

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/K

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/K 6

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
1.09

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
SOLUBLE

**Appearance and Odor:**  
GREEN,CITRUS-FLAVORED LIQUID

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
NKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
N/K

**Materials To Avoid:**  
N/K

**Hazardous Decomposition Products:**  
N/K

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NOT APPLICABLE

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P